

WEST[Help](#)[Logout](#)[Interrupt](#)
[Main Menu](#) | [Search Form](#) | [Posting Counts](#) | [Show S Numbers](#) | [Edit S Numbers](#) | [Preferences](#) | [Cases](#)
Search Results -

Terms	Documents
L2 and screw cap	4

Database:

US Patents Full-Text Database	▲
US Pre-Grant Publication Full-Text Database	
JPO Abstracts Database	
EPO Abstracts Database	
Derwent World Patents Index	★
IBM Technical Disclosure Bulletins	▼

Search:

L6

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**
DATE: Thursday, March 27, 2003 [Printable Copy](#) [Create Case](#)
Set Name Query
 side by side

Hit Count Set Name
 result set
DB=DWPI; PLUR=YES; OP=ADJ

<u>L6</u>	L2 and screw cap	4	<u>L6</u>
<u>L5</u>	L2 and easy open	14	<u>L5</u>
<u>L4</u>	L2 and (polyvinyl chloride or PVC)	98	<u>L4</u>
<u>L3</u>	L2 and crown cork	8	<u>L3</u>
<u>L2</u>	L1 and (closure or cap or eas\$2y)	666	<u>L2</u>
<u>L1</u>	metal and \$2polyester and (\$5layer or laminate\$1)	7645	<u>L1</u>

END OF SEARCH HISTORY

WEST

Help

Logout

Interrupt

Main Menu

Search Form

Posting Counts

Show S Numbers

Edit S Numbers

Preferences

Cases

Search Results -

Terms	Documents
L3 and (polyvinyl chloride or PVC)	9

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L4

Refine Search

Recall Text

Clear

Search History

DATE: Thursday, March 27, 2003

[Printable Copy](#)[Create Case](#)**Set Name Query**

side by side

DB=USPT; PLUR=YES; OP=ADJ

L4 L3 and (polyvinyl chloride or PVC)L3 L2 and metalL2 L1 and (\$2polyester and crystallizable)L1 428/35.3 or 428/35.8 or 428/458 or 428/461 or 428/483**Hit Count Set Name**

result set

9 L450 L378 L28496 L1

END OF SEARCH HISTORY

09/936044

WEST

Freeform Search

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term:

L3 and (coextru\$4) [ab,clm,ti]

Display:

10

Documents in Display Format:

-

Starting with Number

1

Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Help

Logout

Interrupt

Main Menu

Show S Numbers

Edit S Numbers

Preferences

Cases

Search History

DATE: Thursday, March 27, 2003 [Printable Copy](#) [Create Case](#)Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L4</u>	L3 and (coextru\$4)[ab,clm,ti]	35	<u>L4</u>
<u>L3</u>	L2 and (\$2extrusion or \$2extruding or \$2extrude or \$2extruded)	381	<u>L3</u>
<u>L2</u>	L1 and (polyethylene terephthalate or PET)	476	<u>L2</u>
<u>L1</u>	film and \$2polyester and \$4crystallizable	943	<u>L1</u>

END OF SEARCH HISTORY

WEST

Help

Logout

Interrupt

Main Menu Search Form Posting Counts Show S Numbers Edit S Numbers Preferences Cases

Search Results -

Terms	Documents
L7 and (coextru\$4)[ab,clm,ti]	6

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L8

Refine Search

Recall Text

Clear

Search History

DATE: Thursday, March 27, 2003 [Printable Copy](#) [Create Case](#)Set Name Query

side by side

DB=USPT; PLUR=YES; OP=ADJ

L8 L7 and (coextru\$4)[ab,clm,ti]L7 L6 and (\$2extrusion or \$2extrude or \$2extruding)L6 L5 and (polyethylene terephthalate or PET)[ab,clm,ti]L5 L4 and crystalliz\$6L4 L3 and terephthal\$3L3 L2 and naphthal\$5L2 L1 and copoly\$5L1 525/\$10 and \$2polyesterHit Count Set Name

result set

6 L8126 L7177 L6772 L52947 L44182 L316732 L222008 L1

5'8137

END OF SEARCH HISTORY

WEST

SN. 09/936044



Generate Collection

Print

L2: Entry 6 of 21

File: DWPI

Dec 8, 1992

DERWENT-ACC-NO: 1993-024265

DERWENT-WEEK: 199939

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Resin-coated metal plate for forming container - prepd. by plating metal base with nickel@ etc., then coating with thermoplastic polyester resin compsn. for high impact resistance etc.

PRIORITY-DATA: 1991JP-0129790 (May 31, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 04353443 A	December 8, 1992		007	B32B015/08
JP 2937547 B2	August 23, 1999		007	B32B015/08

INT-CL (IPC): B29C 71/02; B29K 67/00; B29L 22/00; B32B 15/08; B65D 65/40; C08G 63/16; C08G 63/183

ABSTRACTED-PUB-NO: JP 04353443A

BASIC-ABSTRACT:

A resin-coated metal plate is prepd. by plating the surface(s) of a metal plate with Sn, Ni, Zn, Cr, etc. or converting chemically the surface(s) with hydrated oxide of P or Cr or plating one surface of a metal plate with Sn, Ni, Zn, Cr, etc. and converting another surface with hydrated oxide of P or Cr and coating the surface(s) with a thermoplastic polyester resin compsn. prepd. by melt reacting 95-5 wt.% crystalline polyester and 5-95 wt.% non-crystalline polyester in an alloying ratio = 5-100 deg.C as calculated from formula (I).

Tm1 and Tg1 are each a m.pt. or a glass transition temp. of crystalline polyester resin, Tm2 and Tg2 are each a m.pt. or a glass transition temp. of the melt blended polyester resin after the completion of ester interchanging reaction, i.e. a m.pt. or a glass transition temp. of the random copolyester having the same compsn. as the resin blend and Tm3 and Tg3 are each a m.pt. or a glass transition temp. of the non-crystalline polyester.

The crystalline polyester is e.g. polyethylene terephthalate, polybutylene terephthalate, polyethylene naphthalate, etc. and has a m.pt. = at least 200 deg.C. The non-crystalline polyester is e.g. polyethylene terephthalate copolymer contg. 30 mol.% cyclohexane dimethanol, polyethylene terephthalate copolyester contg. at least 20 mol.% isophthalic acid, polyacrylate or polyesterpolycarbonate and has a glass transition temp. = at least 20 deg.C. The resin of the formed can has a crystallinity = 0-5% after dry or wet heating.

ADVANTAGE - The resin-coated metal plate has high canning workability and retains low crystallinity of the polyester blend on the heat treatment during the printing or retort sterilisation to provide high adhesion and impact resistance of the coated resin.

WEST

SN.09/936044

☐ Generate Collection

L3: Entry 7 of 19

File: DWPI

Jan 10, 1992

DERWENT-ACC-NO: 1992-061522

DERWENT-WEEK: 199208

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Resin-coated metallic prod. - comprises metal substrate melt laminated with thermoplastic adhesive resin and PVC resin

PRIORITY-DATA: 1990JP-0111031 (April 25, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 04007142 A	January 10, 1992		000	

INT-CL (IPC): B32B 15/08

ABSTRACTED-PUB-NO: JP 04007142A

BASIC-ABSTRACT:

The surface of a metal prod. is melt laminated with a thermoplastic adhesive resin having a melt index = 0.01-5 as measured at 180 deg C and a load = 2.16 kg and polyvinyl chloride resin having a polymerisation deg. = 400-1300.

The metal substrate is e.g., Al, steel, Cu, etc. and pretreated by degreasing, pickling or blasting to remove impurities and fouling. The polyvinyl chloride resin is e.g. polyvinyl chloride homopolymer, vinyl chloride/vinyl acetate copolymer, ethylene/vinyl chloride/vinyl acetate terpolymer, ethylene/vinyl acetate copolymer, etc. having the specified deg. of polymerisation for providing high mouldability, mechanical and chemical properties and blended opt. with a stabiliser, working aid, lubricant, impact resistance improver, etc. The adhesive resin is pref. satd. crystalline polyester resin, polyamide resin or resin of hot melt type blended with an inorganic filler or a crosslinked partly to provide a high mol. wt. or blended with a resin having a high melt viscosity to control the melt index = 0.01-5. The lamination of adhesive resin and polyvinyl chloride resin are coated on the metal substrate by the co-extrusion.

ADVANTAGE - The adhesive layer and the polyvinyl chloride resin layer are melt laminated uniformly and firmly with the metal substrate.

PALM INTRANET

Day : Thursday

Date: 3/27/2003

Time: 08:24:29

Inventor Name Search Result

Your Search was:

Last Name = BEENTJES

First Name = PETRUS

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>09936044</u>	Not Issued	030	12/18/2001	PROCESS FOR PRODUCING A PLASTIC WEB FOR COATING METAL SUBSRATE, LAMINATE COMPRISING THIS PLASTIC WEB, AND PRODUCT OR COMPONENT PRODUCED THEREWITH	BEENTJES, PETRUS CORNELIS JOZEF
<u>10276177</u>	Not Issued	019	01/01/0001	METHOD AND DEVICE FOR COATING A MOVING METAL PRODUCT STRIP	BEENTJES, PETRUS CORNELIS JOZEF
<u>09423708</u>	6458235	150	03/14/2000	METHOD OF COATING A METALLIC SUBSTRATE WITH THERMOPLASTIC COATING MATERIAL	BEENTJES, PETRUS CORNELIS JOZEF
<u>09341637</u>	Not Issued	041	09/03/1999	METHOD AND APPARATUS FOR STRIP-COATING A METALLIC STRIP-SHAPED SUBSTRATE WITH A PLASTIC BAND AND STRIP THUS OBTAINED	BEENTJES, PETRUS CORNELIUS JOZEF

Inventor Search Completed: No Records to Display.**Search Another:
Inventor****Last Name**

BEENTJES

First Name

PETRUS

Search

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

Day : Thursday
Date: 3/27/2003
Time: 08:24:37

PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = DEN HARTOG

First Name = ADRIANUS

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>08454310</u>	<u>5609841</u>	150	10/19/1995	METHOD AND APPARATUS FOR TREATING A FLOW OF GAS CONTAININ OXIDIZED SULPHUR COMPOUNDS	DEN HARTOG , ADRIANUS J.
<u>08875875</u>	<u>5891408</u>	150	09/18/1997	PROCESS FOR PURIFYING FLUE GAS CONTAINING NITROGEN OXIDES	DEN HARTOG , ADRIANUS JOHANNES
<u>09936044</u>	Not Issued	030	12/18/2001	PROCESS FOR PRODUCING A PLASTIC WEB FOR COATING METAL SUBSRATE, LAMINATE COMPRISING THIS PLASTIC WEB, AND PRODUCT OR COMPONENT PRODUCED THEREWITH	DEN HARTOG, ADRIANUS JOHANNES

Inventor Search Completed: No Records to Display.

**Search Another:
Inventor**

Last Name

DEN HARTOG

First Name

ADRIANUS

Search

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

Day : Thursday
Date: 3/27/2003
Time: 08:24:46

PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = VAN VEENEN

First Name = WILLEM

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>09936044</u>	Not Issued	030	12/18/2001	PROCESS FOR PRODUCING A PLASTIC WEB FOR COATING METAL SUBSRATE, LAMINATE COMPRISING THIS PLASTIC WEB, AND PRODUCT OR COMPONENT PRODUCED THEREWITH	VAN VEENEN, WILLEM JAN
<u>09914645</u>	Not Issued	071	11/19/2001	PROCESS FOR THE WALL IRONING OF A PRODUCT IN SHEET FORM, AND A WALL IRONING TOOL	VAN VEENEN, WILLEM JAN
<u>09423708</u>	<u>6458235</u>	150	03/14/2000	METHOD OF COATING A METALLIC SUBSTRATE WITH THERMOPLASTIC COATING MATERIAL	VAN VEENEN, WILLEM JAN

Inventor Search Completed: No Records to Display.

Search Another:
Inventor

Last Name

VAN VEENEN

First Name

WILLEM

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

WEST

Generate Collection

Print

L7: Entry 49 of 92

File: DWPI

Oct 1, 1987

DERWENT-ACC-NO: 1987-278793

DERWENT-WEEK: 198740

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Foil for use in packaging industry - has metal layer on its surface with poor adhesion at certain points so that it is easily removed mechanically

INVENTOR: SCHMOOCK, H

PRIORITY-DATA: 1986DE-3610379 (March 27, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3610379 A	October 1, 1987		008	

INT-CL (IPC): B32B 15/08; B41M 1/00; B44C 1/22; C08J 5/18; C08L 23/10; C08L 25/06; C08L 27/06; C08L 67/00; C23F 17/00

ABSTRACTED-PUB-NO: DE 3610379A

BASIC-ABSTRACT:

A foil made pref. of PVC, polyester, polystyrene or polypropylene, carries on its surface a metal layer which is partly interrupted, e.g. by spots or logos. The metal layer is actually applied all over but at certain points is deposited on a substrate with poor adhesion (lacquer) so that it is easy to remove from them by mechanical means.

ADVANTAGE - This is a simple way of producing an attractive looking packaging foil, even multicoloured, at low cost.